

Shock formation height in the solar corona estimated from SDO and radio observations

N. Gopalswamy(1) and N. Nitta (2)

(1) NASA Goddard Space Flight Center, (2) Lockheed Martin Solar & Astrophysics Laboratory

Wave transients at EUV wavelengths and type II radio bursts are good indicators of shock formation in the solar corona. We use recent EUV wave observations from SDO and combine them with metric type II radio data to estimate the height in the corona where the shocks form. We compare the results with those obtained from other methods. We also estimate the shock formation heights independently using white-light observations of coronal mass ejections that ultimately drive the shocks.